

ABSTRACT

Dynamic current collector system for a set of toy vehicles which are disposed on a track comprising a guide groove

The invention relates to a dynamic current collector system for a set of toy vehicles which are disposed on a track comprising a guide groove. The inventive system comprises electroconductive tracks (1) which can be connected to a power supply unit and which are disposed along the inner sides of the aforementioned guide groove (2). Said system also comprises current collector elements (3) which are electrically connected to a motor of the vehicle and which are positioned on outer lateral faces of a guide follower flange (5) which is disposed on the lower front part (4) of the vehicle. The above-mentioned electroconductive tracks (1) are concealed inside the groove (2) and, when the vehicle moves along the track (6) with the flange (5) inserted in the guide groove (2), a dynamic electrical contact is established between the tracks (1) and the current collector elements (3) in order to supply current to the motor.